AMENDMENTS TO THE CLAIMS

1-8. (Canceled)

9. (Currently amended) ~~The apparatus according to claim 8, further comprising:~~A data-recordable optical disk apparatus, comprising:

setting means which records test data in a test area on an optical disk and sets recording power in accordance with the quality of a reproduced signal obtained by reproducing said test data;

means for recording management data in a recording management area on said optical disk through use of said recording power;

means for verifying said recorded management data;

detection means for detecting the number of PI errors in said management data when a result of verification is positive;

comparison means for comparing the number of said errors with an allowable value;

correction means for correcting said recording power when the number of said errors exceeds said allowable value;

means for detecting the number of PI errors in emboss data by means of reproducing said emboss data existing in a predetermined area on said optical disk; and

means for setting said allowable value on the basis of the number of said PI errors in said emboss data.

10. (Canceled)

11. (Canceled)

12. (Currently amended) An optical disk apparatus, comprising:

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means which reproduces emboss data on said optical disk and counts the number of errors in said emboss data;

means for setting an allowable value on the basis of the number of errors in said emboss data;

means which records test data on said optical disk while changing laser power and sets recording power on the basis of the quality of a signal reproduced from said test data;

means for recording management data on said optical disk at said recording power;

means for reproducing said management data and counting the number of errors in said management data; and

means which again records said test data while changing said laser power in the vicinity of said recording power and which again sets said recording power on the basis of the quality of said signal reproduced from said test data when the number of errors in said management data exceeds said allowable value and which records data on said optical disk at said recording power when the number of errors in said management data becomes equal to or less than said allowable value.

13. (Currently amended) An optical disk apparatus, comprising:

means for reproducing emboss data on said optical disk and counting the number of errors in said emboss data;

means for setting a first allowable value TH1 and a second allowable value TH2 (TH1>TH2) in accordance with the number of errors in said emboss data;

means for recording test data on said optical disk while changing laser power, and setting recording power on the basis of the quality of a signal reproduced from said test data;

means for recording management data on said optical disk at said recording power;

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means for reproducing said management data and counting the number of errors in said management data; and

means which, when the number of errors in said management data exceeds said first allowable value TH1, again records said test data while changing said laser power according to a method differing from that employed when the number of errors in said management data is equal to or less than said first allowable value TH1 and exceeds said second allowable value TH2; which again sets said recording power on the basis of the quality of said signal reproduced from said test data; and which records data on said optical disk at said recording power when the number of errors in said management data is equal to or less than said second allowable value TH2.

14. (Canceled)

15. (Currently amended) An optical disk apparatus, comprising:

means for storing a first allowable value TH1 and a second allowable value TH2 (TH1>TH2) beforehand;

means which records test data on said optical disk while changing laser power and sets recording power on the basis of the quality of a signal reproduced from said test data;

means for recording management data on said optical disk at said recording power;

means for reproducing said management data and counting the number of errors in said management data; and

means which, when the number of errors in said management data exceeds said first allowable value TH1, again records said test data while changing said laser power according to a method differing from that employed when the number of errors in said management data is equal to or less than said first allowable value TH1 and exceeds said second allowable value

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TH2; which again sets said recording power on the basis of the quality of said signal reproduced from said test data; and which records data on said optical disk at said recording power when the number of errors in said management data is equal to or less than said second allowable value TH2.

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